

area as the climate warmed up. It is true that in each case there are instances of their occurrence even further north, but they are scarcely expected to be found associated with those listed above and are offered as possible evidence of post-glacial northward migration.

CORALLORHIZA ODONTORHIZA. The range for this orchid is from southwestern Maine to Georgia and Alabama.

TEPHROSIA VIRGINIANA. This species is recorded from Florida north to southern New Hampshire.

GALIUM PILOSUM. This bedstraw occurs in the Finger Lakes region of New York and sparsely in the Hudson Valley, but is not reported from the mountain regions of New York State.³

SOLIDAGO ODORA. With a distribution much like that of the *Tephrosia*, this plant is equally unexpected in the gorge.

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PLANTS NEW TO ILLINOIS AND TO THE CHICAGO REGION

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Since the last publication by the authors and Dr. Thieret¹, the following new records have come to light. All specimens are deposited in the herbarium of the Chicago Natural History Museum.

PLANTS NEW TO ILLINOIS

BUTOMUS UMBELLATUS L. This species was found growing spontaneously and aggressively spreading in a small pond south of 87th Street and east of Kean Avenue near Buffalo Woods Forest Preserve, Cook Co., Aug. 6, 1957, *Swink 3007*.

BETULA PUMILA L. var. *GLABRA* Regel. This variety is not given for Illinois in the 8th Edition of Gray's Manual. The following collection belongs to this variety: Low mound in swale, north of Waukegan, Lake Co., June 8, 1908, *Frank C. Gates 2500*.

PODOPHYLLUM PELTATUM L. f. *DEAMII* Raymond. This color form of

the May Apple, previously known in this country only from Indiana and Missouri, has recently been collected in the Chicago area, as follows: Tinley Creek Woods along bridle path east of Harlem Avenue, 1½ miles south of Highway 143, May 15, 1957, *Herbert Pahnke s.n.*

PODOPHYLLUM PELTATUM L. f. *POLYCARPUM* Clute. This form was reported by Pepoon² from the Chicago area but no specimens are extant. The data for the only herbarium record for Illinois are as follows: Woods bordered by Mill Creek Road, Kelly Road, and Dilleys Road, on property of Dr. and Mrs. L. F. Yntema, northwest of Wadsworth, about 5 miles southwest of Zion, Lake Co., August, 1956, *Jean Yntema s.n.*

RUBUS OCCIDENTALIS L. f. *PALLIDUS* (Bailey) Robins. The data for the collection of this form with cream- or amber-colored fruit are as follows: Open borders of *Quercus alba-Quercus rubra-Carya ovata* woodland bordering swampy meadow, on property of Dr. and Mrs. L. F. Yntema, west of Highway 41, northwest of Wadsworth, about 5 miles southwest of Zion, Lake Co., July 18, 1956, *Steyermark 81982.*

ROSA MICRANTHA Sm. This adventive species has become established at the following locality: Natural prairie overlying glacial gravel moraine on crest of slope just east of Highway 173 and north of Forest Hill Golf Course, T44N, R2E, Sect. 8, 0.8 mile northeast of junction of Highways 51 and 173, just northeast of Rockford, Winnebago Co., Oct. 1, 1955, *Steyermark 80289.*

RHAMNUS FRANGULA L. var. *ANGUSTIFOLIA* Loud. This unusual narrow-leaved variety is not recorded in any of the principal floras of the United States; it was found growing with typical *Rhamnus frangula*. The narrow elongate *Salix*-like leaves have irregularly undulate-scalloped margins. The data are as follows: Near a small pond west of 104th Avenue south of Longjohn Slough approximately ½ mile south of 95th Street in Palos Forest Preserve south of Willow Springs, Cook Co., July 2, 1957, *Swink 3001.*

OXYDENDRUM ARBOREUM (L.) DC. Three trees of this species, of differing sizes and ages, have been located near each other in southern Cook County. They have certainly become naturalized at this locality, where they were growing with the native flora. The data are as follows: In a quaking aspen thicket at the north end of Sweet Woods Forest Preserve south of Thornton, Cook Co., Sept. 29, 1956, *Swink 2787.* In addition, there is a specimen of this species in the Chicago Natural History Museum Herbarium collected by Robert Ridgway on Sept. 7, 1920, with the following location: 9½ miles northeast of Olney, on Corn Ford Road, Richland Co. In his Ligneous Flora of Richland County, page 30, Ridgway states that the specimen "had long been misplaced and was with a lot of herbaceous material sent to the Missouri Botanical Garden, where identified by Mr. J. M. Greenman. There is some reason

for suspecting that the original label had slipped from the corner and had been replaced by one which may not have belonged to the specimen in question, a memorandum to that effect having been inserted. However, whether this suspicion is correct or not, there can be no question that the specimen was collected in Richland County, the only doubt being as to the locality and date". This tree probably was introduced.

VERBENA STRICTA Vent. f. *ROSEIFLORA* Benke. The first collection for this rose-colored form for Illinois is as follows: Dry pasture, Starved Rock State Park, La Salle Co., July 27, 1940, *George D. Fuller 2299*.

GALEOPSIS LADANUM L. f. *PARVIFLORA* (Lam.) Koch. This is a small-flowered form with corolla only 3-4 mm. long, equalling or only slightly exceeding the calyx. This form is not mentioned in any of the principal manuals of the flora of the central or eastern states. The data are as follows: Along Midway Plaisance, Chicago, Cook Co., Aug. 10, 1956, *Juan V. Poncho 7020*. The only other species of the genus recorded for Illinois by Jones *et al.*³ is *Galeopsis tetrahit*, which is recorded from Boone County, where collected by E. W. Fell, and from Cook County, on the basis of the report by Higley & Raddin⁴. The following additional specimens of *Galeopsis tetrahit* are to be found in the herbarium of the Chicago Natural History Museum: *H. N. Patterson*, from the vicinity of Oquawka, Henderson Co., in 1897; and *W. C. Ohlendorf*, from Lawndale, Cook Co., in August, 1885.

VIBURNUM LANTANA L. This shrub was collected in woods of York Forest Preserve south of Elmhurst, Du Page Co., November 5, 1955. It was found in a secluded area of the preserve far from any habitation and growing among native species; *F. A. Swink 2782*.

SOLIDAGO ULIGINOSA Nutt. var. *LINOIDES* (T. & G.) Fern. *Solidago uliginosa* var. *linoides* has not been recorded for Illinois either in the 8th Edition of Gray's Manual or in Jones *et al.*³ The following collection may be cited: Lake Co., natural swampy meadow fringed by *Salix* spp., *Cornus stolonifera*, and *Betula pumila*, on east side of Highway 59, north of Miller Road, T43N, R9E, Sect. 12, 4 miles north of Barrington, October 1, 1955, *Steyermark 80305*.

PLANTS NEW TO THE CHICAGO REGION

HOLCUS LANATUS L. This Old World grass, reported from Champaign and Crawford counties by Jones *et al.*³ has been collected in a lawn at 9800 Willow Springs Road in the Palos Forest Preserve area, where it was growing spontaneously, *F. A. Swink 3004*

PARONYCHIA FASTIGIATA (Raf.) Fern. var. *PALEACEA* Fern. This species

¹ Steyermark, J. A., Swink, F. A., and Thieret, J. W. Plants New to Illinois and Indiana and the Chicago Region. *RHODORA* 59:31-33. 1957.

² Pepon, H. S. Flora of the Chicago Region. Chicago Academy of Sciences. 1927.

has been reported by Jones *et al.*³ from central and southern Illinois only, but is found to be rather frequent in several of the Cook County forest preserves. Collections were made from two of these localities, as follows: Open woodland just east of Hidden Pond in Hidden Pond Woods Forest Preserve, August 14, 1957, *F. A. Swink 3009*; and open woodland near picnic area of Wolf Road Woods, *F. A. Swink 3010*, August 15, 1957.

STELLARIA PUBERA Michx. var. *SILVATICA* (Béguinot) Weath. This plant, previously known in the state only from Cook County, was collected in shaded ground of Warrenville Forest Preserve, Du Page Co., June 2, 1956, *F. A. Swink 2789*.

AGRIMONIA ROSTELLATA Wallr. This species is locally abundant in open wooded areas of Cantigny Woods Forest Preserve near La Grange, Cook Co., as the following collection shows: *F. A. Swink 3011*. Previous localities, as recorded in Jones *et al.*³, show its distribution in central and southern Illinois.

LOTUS CORNICULATUS L. On a sandy knoll beside a small creek in a cow pasture 2 miles south of the Kankakee River, $\frac{1}{4}$ mile west of Illinois-Indiana state line, 2 miles north of Hopkins Park, Kankakee Co., August 4, 1957, *Karl E. Bartel 6*. Previously known in Illinois only from Champaign, Iroquois, and Jo Daviess counties (Jones *et al.*³, p. 286).

HYPERICUM SPATHULATUM (Spach) Steud. In a roadside ditch $\frac{1}{2}$ mile south of the Will-Kankakee county line, 3 miles northeast of Essex, Kankakee Co., August 2, 1953, *F. A. Swink 2380*. Previously known only from the southern and west-central portions of the state.

EPILOBIUM HIRSUTUM L. In rich black soil along the Santa Fe Railroad south of Argonne National Laboratory at the southwest end of Rocky Glen Forest Preserve, Du Page Co., July 21, 1957, *Karl E. Bartel 7*. Previously known only from Cook Co., where first reported by Steyermark and Swink (*RHODORA* 51: 147-149, 1949).

SWERTIA CAROLINIENSIS (Walt.) Ktze. At edge of woods near picnic area, Pioneer Woods Forest Preserve, 107th Street and Willow Springs Road, Cook Co., July 29, 1956, *J. W. Thieret 2137*. This plant was reported by Pepoon², who stated that the station had been destroyed in the construction of a paved highway. Although reported and accompanied by a photograph on page 427 of Pepoon's Flora, there has apparently been no authentic specimen kept of this original discovery. The collection by Dr. Thieret represents a new and different location for this species.

³ Jones, G. N., Fuller, G. D., Winterringer, G. S., Ahles, H. E., and Flynn, A. A. Vascular Plants of Illinois. 1955.

⁴ Higley, W. K. and Raddin, C. The Flora of Cook County, Illinois, and a part of Lake County, Indiana. Bull. Chi. Acad. Sci. 2, no. 1: 94. 1891.